

~~Page 23, lines 31-32, after "WO 93/14200" insert -- U.S. patent 5,604,102 --.~~
~~Page 29, after line 11 insert:~~

-- c. *Monoclonal Antibodies to the N-terminal Region of β AP.*

Monoclonal antibodies to the N-terminal region of β AP were prepared using a synthetic peptide spanning amino acid residues 1-28 (β AP₁₋₂₈). β AP₁₋₂₈ was chemically coupled using disuccimidyl suberate (DSS) to rabbit serum albumin (RSA) using a 20:1 molar ratio of peptide to protein in 50 mM sodium phosphate, pH 7.0, 150 mM NaCl, overnight at 21°C using 1 mM DSS (Hyman et al. (1992) J. Neuropath. Exp. Neuro. 51:76).

Antibodies 10D5 and 6C6 were obtained from a fusion where mice had received 5 injections of β AP₁₋₂₈ coupled to RSA via DSS at 100 μ g/ml. The initial injection was in complete Freund's adjuvant (CFA) followed by second and subsequent injections in incomplete Freund's adjuvant (IFA) every 10-14 days. Three days before the fusion, mouse 4 which had a titer of 1/70,000 as measured by ELISA against β AP₁₋₂₈, received 100 μ g of β AP₁₋₂₈ RSA in PBS intraperitoneally as a final boost. Screening was done by ELISA and on paraffin-fixed AD brain sections. The coating concentration of β AP₁₋₂₈ was 1 μ g/well. 10D5 and 6C6 were positive by ELISA and AD brain tissue section. --

IN THE CLAIMS:

Sub H1
F2

42. (Twice amended) A method for screening a compound to determine its ability to alter the amount of an $A\beta(x-\geq 41)$ peptide in [the CSF] a fluid sample comprising:
measuring a first amount of one or more soluble $A\beta(x-\geq 41)$ peptides in the [CSF] fluid sample of a non-human animal model that exhibits cerebral deposition of $A\beta$;
administering the compound to the non-human animal model;
measuring a second amount of said one or more soluble $A\beta(x-\geq 41)$ peptides in the [CSF] fluid sample of the non-human animal model; and
comparing the first amount with the second amount,
the difference indicating whether the compound increases, decreases, or leaves unchanged the amount of soluble $A\beta(x-\geq 41)$ in the [CSF] fluid sample.

Add new claim 50 as follows: